ORTEC

ORTEC 9309-4

Timing amplifier

Multichannel fast amplifier for detectors producing fast signals.



Channels

4 [1]

Specifications

Channels	4	[1]
Gain	0–10 in 11 steps; ±6 % at 10	[2]
Input noise	<50 µV rms	[1]
Input/output delay	<3 ns	[1]
Rise time	<1.5 ns (unipolar inputs ≤±25 mV)	[2]
Input dynamic range	400 mV peak-to-peak	[1]
Input impedance	50 Ω ±2 %	[2]
utput into 50 Ω	Up to ±2 V	[1]

Sources

[1] **9309-4 – Quad Fast Amplifier**
ORTEC (AMETEK) · datasheet · p. 1 · checked 2026-10-16
https://edge.sitecorecloud.io/ametekinc1236b-ametekb19a-productiondcfa-1d17/media/Project/Ametek/ortec-onlin...

[2] **9309-4 Quad Fast Amplifier**
RTEC (AMETEK) · product-page · product page · checked 2026-10-16
https://web.archive.org/web/20261016000000/https://www.ortec-online.com/products/electronic-instruments/ampl...

Every value is taken from the manufacturer's own document; the number after the value refers to the source list. Always check against the latest datasheet before ordering.

The data comes from the manufacturer's published documents. Manufacturers may change specifications; the current configuration and performance are confirmed in the quotation.